

FORM PTO 1449 (modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)  <div style="font-size: 1.5em; font-family: cursive;">8-12-2005</div>			ATTY DOCKET NO. <div style="font-size: 1.2em; font-weight: bold;">03500.017653</div>		APPLICATION NO. <div style="font-size: 1.2em; font-weight: bold;">10/531,689</div>	
			APPLICANT <div style="text-align: center; font-weight: bold;">Takashi Kenmoku et al.</div>			
			FILING DATE <div style="text-align: center; font-weight: bold;">October 23, 2003</div>		GROUP <div style="text-align: center; font-weight: bold;">1657 1645</div>	

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/HJL/		2003/0207412 A1	11/06/03	Kenmoku et al.	435	135	
		6,645,743 B1	11/11/03	Honma et al.	435	146	
		6,649,380 B1	11/18/03	Yano et al.	435	135	
		2003/0194789 A1	10/16/03	Honma et al.	435	135	
		2003/0113368 A1	06/19/03	Nomoto et al.	424	450	
		6,911,521 B2	06/28/05	Kenmoku et al.	528	295	
		2004/0092702 A1	05/13/04	Honma et al.	528	272	
/HJL/		6,635,782 B2	10/21/03	Honma et al.	560	53	

FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
/HJL/	JP	2002-80571	03/19/02	Japan			Abstract
	JP	59-190945	10/29/84	Japan			Abstract
	JP	2989175 B1	10/08/99	Japan			Abstract
	WO	2004/037889 A1	05/06/04	International			
/HJL/	WO	2004/097417 A1	11/11/04	International			

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)	
/HJL/	Katharina Fritzsche et al., "An Unusual Bacterial Polyester with a Phenyl Pendant Group," 191 <i>Macromol. Chem.</i> 1957-65 (1990).
	Y.B. Kim et al., "Preparation and Characterization of Poly( $\beta$ -Hydroxyalkanoates) Obtained from <i>Pseudomonas oleovorans</i> with Mixtures of 5-Phenylvaleric Acid and <i>n</i> -Alkanoic Acids," 24 <i>Macromol.</i> 5256-60 (1991).
	Suzette M. Aróstegui et al., "Bacterial Polyesters Produced by <i>Pseudomonas oleovorans</i> Containing Nitrophenyl Groups," 32 <i>Macromol.</i> 2889-95 (1999).
/HJL/	Helmut Ritter et al., "Bacterial Production of Polyesters Bearing Phenoxy Groups in Side Chains, 1 Poly(3-Hydroxy-5-Phenoxypentanoate- co-3-Hydroxy-9-Phenoxy-Nonanoate) From <i>Pseudomonas oleovorans</i> ," 195 <i>Macromol. Chem. Phys.</i> 1665-72 (1994).

EXAMINER	/Herbert Lilling/ (08/31/2007)	DATE CONSIDERED	08/31/2007
----------	--------------------------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 1 of 2

4  
HJL

FORM PTO 1449 (modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)		ATTY DOCKET NO. <b>03500.017653</b>		APPLICATION NO. <b>10/531,689</b>			
		APPLICANT <p style="text-align: center;"><b>Takashi Kenmoku et al.</b></p>					
		FILING DATE <p style="text-align: center;"><b>October 23, 2003</b></p>		GROUP <p style="text-align: center;"><b>1657 1645</b></p>			
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/HJL/		6,872,788 B2	03/29/05	Imamura et al.	525	440	
		6,492,147 B1	12/10/02	Imamura et al.	435	135	
		2003/0180899 A1	09/25/03	Honma et al.	435	135	
		6,521,429 B2	02/18/03	Honma et al.	435	135	
		6,586,562 B2	07/01/03	Honma et al.	528	361	
		6,649,381 B1	11/18/03	Honma et al.	435	135	
/HJL/		2004/0067576 A1	04/08/04	Honma et al.	435	252.34	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
/HJL/		Richard A. Gross et al., "Cyanophenoxy-Containing Microbial Polyesters: Structural Analysis, Thermal Properties, Second Harmonic Generation and In-Vivo Biodegradability," 39 <u>Polymer International</u> 205-13 (1996).					
		Won Ho Park et al., "Epoxidation of Bacterial Polyesters with Unsaturated Side Chains. I. Production and Epoxidation of Polyesters from 10-Undecanoic Acid," 31 <u>Macromol.</u> 1480-1486 (1998).					
		Ohyoung Kim et al., "Bioengineering of Poly( $\beta$ -hydroxyalkanoates) for Advanced Material Applications: Incorporation of Cyano and Nitrophenoxy Side Chain Substituents," 41 (Supp. 1) <u>Can. J. Microbiol.</u> 32-43 (1995).					
/HJL/		Young B. Kim et al., "Poly( $\beta$ -hydroxyalkanoate) Copolymers Containing Brominated Repeating Units Produced by <i>Pseudomonas oleovorans</i> ," 25 <u>Macromol.</u> 1852-57 (1992).					
EXAMINER		/Herbert Lilling/ (08/31/2007)		DATE CONSIDERED		08/31/2007	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 1449 (modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary).		ATTY DOCKET NO. <b>03500.017653</b>		APPLICATION NO. <b>10/531,689</b>	
		APPLICANT <b>Takashi Kenmoku et al.</b>			
		FILING DATE <b>October 23, 2003</b>		GROUP <b>1657</b> <del>1645</del>	

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	

FOREIGN PATENT DOCUMENTS							
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT		

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)		
/HJL/		<b>Marieta Constantin et al., "Chemical Modification of Poly(hydroxyalkanoates). Copolymers Bearing Pendant Sugars," 20 Macromol. Rapid Commun. 91-94 (1999).</b>
/HJL/		<b>M.Y. Lee et al., "Hydrophilic Bacterial Polyesters Modified with Pendant Hydroxyl Groups," 41 Polymer 1703-09 (2000).</b>
/HJL/		<b>J.K. Stille et al., "Tetracyclic Dienes. I. The Diels-Alder Adduct of Norbornadiene and Cyclopentadiene," 81 J. Am. Chem. Soc. 4273-75 (August 1959).</b>
/HJL/		<b>G.J.M. de Koning et al., "A Biodegradable Rubber by Crosslinking Poly(hydroxyalkanoate) From Pseudomonas oleovorans," 35 (10) Polymer 2090-97 (1994).</b>
EXAMINER      /Herbert Lilling/ (08/31/2007)      DATE CONSIDERED      08/31/2007		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 1449 (modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)		ATTY DOCKET NO. <b>03500.017653</b>		APPLICATION NO. <b>10/531,689</b>	
		APPLICANT <div style="text-align: center;"><b>Takashi Kenmoku et al.</b></div>			
		FILING DATE <div style="text-align: center;"><b>October 23, 2003</b></div>		GROUP <div style="text-align: center;"><b>1657</b> <b>1043</b></div>	

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	

FOREIGN PATENT DOCUMENTS							
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT		

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)		
/HJL/		Lindsay H. Briggs et al., "Degradation of the Lanosterol Side-chain," <u>J.C.S. Perkin I</u> , 806-09 (1973).
/HJL/		Harry R. Allcock et al., "Reactions of Steroid Salts with Hexachlorocyclotriphosphazene," 46 <u>J. Org. Chem.</u> 13-22 (1981).
/HJL/		<u>Organic Synthesis</u> , vol. 4, pp. 695-99 (1963).
/HJL/		Joanne M. Curley et al., "Production of Poly(3-hydroxyalkanoates) Containing Aromatic Substituents by <i>Pseudomonas oleovorans</i> ," 29 <u>Macromol.</u> 1762-66 (1996).
EXAMINER      /Herbert Lilling/ (08/31/2007)      DATE CONSIDERED      08/31/2007		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)ATTY DOCKET NO.  
03500.01765311/531087  
JC20 Rec'd PCT/PTO 15 APR 2005Nat'l Stage of  
PCT/JP03/13531

APPLICANT

Takashi Kenmoku et al.

FILING DATE

October 23, 2003

GROUP

1657  
NYA

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/HJL/		2003/0013841 A1	01/16/03	Imamura et al.	528	271	
		2003/0096182 A1	05/22/03	Yano et al.	430	108.5	
		5,614,576	03/25/97	Rutherford et al.	524	270	
		5,753,364	05/19/98	Rutherford et al.	428	355R	
		2002/0052444 A1	05/02/02	Imamura et al.	525	107	
		2003/0208029 A1	11/06/03	Honma et al.	528	272	
		2002/0160467 A1	10/31/02	Honma et al.	435	135	
/HJL/		2002/0081646 A1	06/27/02	Honma et al.	435	41	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
/HJL/	EP	1 245 605 A2	10/02/02	Europe			
	EP	1 113 033 A2	07/04/01	Europe			
	EP	1 188 782 A2	03/20/02	Europe			
	EP	1 130 042 A2	09/05/01	Europe			
/HJL/	EP	1 236 755 A2	09/04/02	Europe			

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

/HJL/		Alexander Steinbüchel et al., "Diversity of Bacterial Polyhydroxyalkanoic Acids," 128 <u>FEMS Microbiol. Lett.</u> 219-28 (1995).
		Marianela Andújar et al., "Polyesters Produced by <i>Pseudomonas oleovorans</i> Containing Cyclohexyl Groups," 30 <u>Macromol.</u> 1611-15 (1997).
		Carmen Scholz et al., "Growth and Polymer Incorporation of <i>Pseudomonas oleovorans</i> on Alkyl Esters of Heptanoic Acid," 27 <u>Macromol.</u> 2886-89 (1994).
/HJL/		Carmen Scholz et al., "Production of Poly( $\beta$ -hydroxyalkanoates) with $\beta$ -substituents Containing Terminal Ester Groups by <i>Pseudomonas oleovorans</i> ," 195 <u>Macromol. Chem. Phys.</u> 1405-21 (1994).

EXAMINER

/Herbert Lilling/ (08/31/2007)

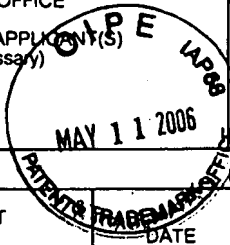
DATE CONSIDERED

08/31/2007

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 1449 (modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)				ATTY DOCKET NO. <b>03500.017653</b>		APPLICATION NO. <b>N.Y.A./</b> <b>Nat'l Stage of</b> <b>PCT/JP03/13531</b>		
				APPLICANT <div style="text-align: right;"><b>Takashi Kenmoku et al.</b></div>				
				FILING DATE <div style="text-align: right;"><b>October 23, 2003</b></div>		GROUP <div style="text-align: right;"><b>1657</b></div>		
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
/HJL/		2003/0100084 A1	05/29/03	Honma et al.	435	135		
/HJL/		2002/0164726 A1	11/07/02	Kenmoku et al.	435	118		
/HJL/		2002/0022253 A1	02/21/02	Honma et al.	435	135		
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT	
/HJL/	EP	1 236 754 A2	09/04/02	Europe				
/HJL/	EP	1 888 836 A2	03/20/02	Europe				
/HJL/	EP	1 201 763 A2	05/02/02	Europe				
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)								
EXAMINER		/Herbert Lilling/ (08/31/2007)			DATE CONSIDERED			08/31/2007

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 1449 (modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)				ATTY DOCKET NO. <b>03500.017653</b>		APPLICATION NO. <b>10/531,689</b>	
				APPLICANT <b>Takashi Kenmoku et al.</b>			
				FILING DATE <b>October 23, 2003</b>		GROUP <b>1657</b> <del>1645</del>	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/HJL/		2005/0143574 A1	06/30/05	Minami et al.	536	126	
/HJL/		2006/0040366 A1	02/23/06	Kenmoku et al.	435	135	
/HJL/		2006/0079662 A1	04/13/06	Fukui et al.	528	272	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
EXAMINER				DATE CONSIDERED			
/Herbert Lilling/ (08/31/2007)				08/31/2007			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 1 of 1